Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/16/2019 12:16 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124167	-1	2.47	124240	2.45
Blue	F	SSC	125000	124932	-1	1.53	125778	1.52
Blue	E	FITC	16122	15779	-3	2.92	344	19.11
Blue	D	PE	29316	28877	-2	2.23	628	14.07
Blue	B	PerCP-Cy5-5	42590	41828	-2	3.76	1126	20.35
Blue	A	PE-Cy7	33146	32821	-1	6.09	625	40.24
Red	C	APC	45473	44712	-2	2.56	1577	12.04
Red	A	APC-Cy7	31961	30789	-4	2.56	813	12.12
Violet	B	V450	7914	7397	-7	4.23	431	13.04
Violet	A	V500	29769	28384	-5	4.03	666	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21296	3.55	604	4	N/A	N/A	Pass
Blue	F	SSC	56650	1.25	544	6	N/A	N/A	Pass
Blue	E	FITC	62	65.09	538	1	0.0240	255	Pass
Blue	D	PE	133	49.42	540	3	0.2101	386	Pass
Blue	B	PerCP-Cy5-5	208	49.06	640	2	0.0090	37	Pass
Blue	A	PE-Cy7	116	101.44	695	4	0.0114	21	Pass
Red	C	APC	374	25.83	586	7	0.0256	232	Pass
Red	A	APC-Cy7	180	28.86	562	6	0.0054	925	Pass
Violet	B	V450	72	54.84	460	0	0.0525	2368	Pass
Violet	A	V500	100	36.70	473	1	0.0234	1334	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.76	-31.69	1.00
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	15.76	13.60 - 20.40	N/A	N/A	29.50	29.67	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9749

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments